

REMARKS

Claim Amendments

Claims 22-53 are pending. Claims 22, 29-32, and 37 are currently amended. Claims 42-53 are newly added.

Support for the amendments are found throughout the specification and in the claims as originally filed. *See e.g.*, Specification, page 9, lines 18-25; page 10, line 26 to page 11, line 9; page 17, line 26 to page 19, line 6; page 23, lines 1-18; page 29, lines 12-17; page 32, lines 24-30; page 34, line 27 to page 35, line 2; pages 47-48; Examples; original claims 1-6 and 8-17. Applicants respectfully submit the above amendments do not constitute new matter and request entry of the amendments.

Statement of Substance of Interview Under 37 C.F.R. § 1.133(b)

In accordance with 37 C.F.R. § 1.133(b) and M.P.E.P. § 713.04, Applicants provide a summary of the interview conducted on March 26, 2009 with Examiner Brent Page. Applicants greatly appreciate the courtesies extended by Examiner Page.

During the interview, Examiner Page requested that the claims be amended to recite nucleic acid sequences rather than amino acid sequences.

Applicants have amended the claims to recite nucleic acid sequences per the Examiner's request.

CONCLUSION

It is believed that these amendments and remarks should place this application in condition for allowance. A notice to that effect is respectfully solicited.

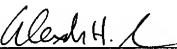
If the Examiner has any questions relating to this response or the application in general, then he is respectfully requested to contact the undersigned so that prosecution of this application may be expedited.

Respectfully submitted,

HUNTON & WILLIAMS LLP

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By:



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